

**METHOD AND SYSTEM FOR
RELIABLE MULTICAST DATA TRANSMISSION**

ABSTRACT

[0030] Provided is a method and system for reliably multicasting a data transmission from a server to one or more clients, which may be connected via a control channel and a multicast data channel. In one example, the method includes sending a first data transmission to the clients over the multicast data channel. A response is received over the control channel from at least some of the clients. The response identifies data not received by the responding client. In some examples, the response may indicate that all the data was received. The server determines a minimum retransmission data set based on the responses. The minimum retransmission data set includes at least some of the data not received by the client during the first data transmission. The minimum retransmission data set is sent over the multicast data channel and received by the clients that did not receive it during the first data transmission.